

ANTISENSE OLIGODEOXYNUCLEOTIDES REGULATING  
EXPRESSION OF TNF- $\alpha$

**ABSTRACT OF THE DISCLOSURE**

A synthetic nuclease resistant antisense oligodeoxynucleotide capable of selectively modulating expression of human tumor necrosis factor-alpha by targeting exon sequences flanking donor splice sites, thereby regulating expression of TNF- $\alpha$  in a patient in need of such therapy is provided. In an embodiment either AS-ODN having the sequence set forth in SEQ ID No:4 or SEQ ID No:6 or a combination thereof can be used.

The AS-ODN is administered either as the active ingredient in a pharmaceutical composition or by utilizing gene therapy techniques as an expression vector.